

ABSTRACT

A wheel spindle and dust cup assembly comprising a spindle and a dust cup extending radially from the spindle. The dust cup is integrally formed with the spindle from a single shaft and may be formed through a cold forging process. A method of forming a one-piece 5 dust cup and wheel spindle includes the acts of forming a shaft and forming from the material of the shaft a dust cup. The act of forming the dust cup may include the act of cold forging the dust cup. The one-piece design with a cold forged dust cup may completely seal the wheel bearing, retaining grease and preventing debris from entering. The one-piece design eliminates gaps between the dust cup and the wheel spindle so that foreign material cannot 10 enter and grease cannot escape the wheel hub at the junction between the dust cup and the wheel spindle.